

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	558	("15".clas.) and (jet blow) and (spiral helic\$3 votex helix)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/26 09:29
S2	66	("15".clas.) and (jet blow) with (spiral helic\$3 votex helix)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/26 09:31
S3	66	("15".clas.) and ((jet nozzle blow\$4).ti.) and ((spiral helic\$3 votex helix) with (air flow blow\$4))\	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/26 09:32
S4	66	("15".clas.) and ((jet nozzle blow\$4).ti.) and ((spiral helic\$3 votex helix) with (air flow blow\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/26 09:55
S5	58	S4 not S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/26 09:32
S6	2	("15".clas.) and (((jet nozzle blow\$4) and (spiral helic\$3 votex helix)).ti.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/26 09:56
S7	1322	((((jet nozzle blow\$4) and (spiral helic\$3 votex helix)).ti.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/26 09:57
S8	339	((((jet nozzle blow\$4) and (spiral helic\$3 votex helix) and (air flow)).ti.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/26 09:57
S9	3	((((jet nozzle blow\$4) and (spiral helic\$3 votex helix) and (air flow)).ti.) and (chip)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/26 09:57
S10	3	((((jet nozzle blow\$4) and (spiral helic\$3 votex helix) and (air flow)).ti.) and (chip\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/26 09:57
S11	14	((((jet nozzle blow\$4) and (spiral helic\$3 votex helix) and (air flow)).ti.) and (chip\$2 shavings cutting\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/26 10:44

S14	1	10/566921.app.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/26 11:12
S15	253	((((jet nozzle blow\$4) and (spiral helic\$3 votex helix)).ti.) and (clean\$4 machin\$4 ships cuttings shavings)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/27 13:37
S16	4	("2694603").URPN.	USPAT	OR	OFF	2008/06/27 14:31
S17	20	("0551875"   "0887302"   "2017467"   "2329711"   "2407915"   "2560799"   "3684019"   "4655394").PN. OR ("5639029").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/30 09:43
S18	9	("2017467"   "2329711"   "551875").URPN.	USPAT	OR	OFF	2008/06/30 09:48
S19	630	15/304.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 09:58
S20	61	15/304.cds. and (spiral\$4 helic \$4 helix vortex helicoid\$4 volut \$4 twist\$4 whorl\$4 corkscrew)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 10:01
S21	114	15/304.cds. and (screw)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 10:01
S22	229	15/420.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 10:41
S23	21	S22 and (spiral\$4 helic\$4 helix vortex helicoid\$4 volut\$4 twist \$4 whorl\$4 corkscrew)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 10:41
S24	17	("2027543"   "3075227"   "3238557"   "3963515"   "4915245"   "5253538"   "5924823"   "6687951"   "6689225"   "6719830"   "6771371"   "6811687"   "6957472"   "7111797").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/30 10:49
S25	70	15/345.cds. and (spiral\$4 helic \$4 helix vortex helicoid\$4 volut \$4 twist\$4 whorl\$4 corkscrew)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 10:52
S26	20	15/406.cds. and (spiral\$4 helic \$4 helix vortex helicoid\$4 volut \$4 twist\$4 whorl\$4 corkscrew)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 10:58

S27	83	15/405.ccls. and (spiral\$4 helic \$4 helix vortex helicoid\$4 volut \$4 twist\$4 whorl\$4 corkscrew)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 11:03
S28	79	S27 not (S20 S23 S25 S26)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 11:04
S29	237	239/489.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 11:24
S30	0	("1504864").URPN.	USPAT	OR	OFF	2008/06/30 11:35
S31	0	("1504864").URPN.	USPAT	OR	OFF	2008/06/30 11:35
S32	0	239/522,523.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 11:43
S33	541	239/522,523.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 11:43
S34	339	239/518.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 11:43
S35	407	239/498.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 11:44
S36	3	("2465420").URPN.	USPAT	OR	OFF	2008/06/30 11:47
S37	0	("1034557").URPN.	USPAT	OR	OFF	2008/06/30 11:55
S38	53	239/501.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 12:01
S39	14	("2804341").URPN.	USPAT	OR	OFF	2008/06/30 12:04
S40	339	239/518.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 13:12
S41	541	239/522,523.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 13:14

S42	859	S40 S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 13:14
S43	77	S42 and (spiral\$4 helic\$4 helix vortex helicoid\$4 volut\$4 twist \$4 whorl\$4 corkscrew)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 13:14
S44	26	("2568875"   "2797423"   "3259380"   "3273872"   "3281133"   "3556737"   "3824080"   "4126540"   "4133645"   "4159291"   "4669890"   "4808350"   "5013491"   "5135684"   "5254292").PN. OR ("5403561").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/30 13:22
S45	1	("2797423").URPN.	USPAT	OR	OFF	2008/06/30 13:24
S46	15	("0621480"   "1667943"   "2172193"   "3347471").PN. OR ("4011996").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/30 13:28
S47	57	239/482.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 13:44
S48	73	239/483.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 13:45
S49	299	239/487.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 13:45
S50	237	239/489.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 13:46
S51	7	("2134347").URPN.	USPAT	OR	OFF	2008/06/30 13:56
S52	0	("7096964").URPN.	USPAT	OR	OFF	2008/06/30 13:56
S53	128	S47 S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 13:59
S54	5	("1494675").URPN.	USPAT	OR	OFF	2008/06/30 14:02
S55	410	239/504.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 14:19

S56	282	239/493.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 14:24
S57	184	239/491.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 14:38
S58	194	239/490.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 14:38
S59	0	("201555").URPN.	USPAT	OR	OFF	2008/06/30 14:45
S60	125	239/502.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 14:50
S61	289	239/500.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 14:56
S62	26	S61 and (spiral\$4 helic\$4 helix vortex helicoid\$4 volut\$4 twist \$4 whorl\$4 corkscrew)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 14:57
S63	123	239/601.ccls. and (spiral\$4 helic\$4 helix vortex helicoid\$4 volut\$4 twist\$4 whorl\$4 corkscrew)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 14:59
S64	14	("2804341").URPN.	USPAT	OR	OFF	2008/06/30 15:01
S65	14	("2804341").URPN.	USPAT	OR	OFF	2008/06/30 15:01
S66	2	("RE23413").URPN.	USPAT	OR	OFF	2008/06/30 15:08
S67	2	("1549537").URPN.	USPAT	OR	OFF	2008/06/30 15:09
S68	789	239/463,466,467,472.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 15:13
S69	264	S68 and (spiral\$4 helic\$4 helix vortex helicoid\$4 volut\$4 twist \$4 whorl\$4 corkscrew)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 15:13
S70	34	S55 and (spiral\$4 helic\$4 helix vortex helicoid\$4 volut\$4 twist \$4 whorl\$4 corkscrew)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/30 15:14

S71	30	("1860347"   "1947866"   "2216846"   "3297305"   "3663154"   "3844707"   "4013395"   "4014470"   "4034965"   "4179222").PN. OR ("4255124").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/01 09:22
S72	8	("1860347").URPN.	USPAT	OR	OFF	2008/07/01 09:23
S73	4	("2216846").URPN.	USPAT	OR	OFF	2008/07/01 09:26
S74	67	("1191621"   "2110365"   "2553130"   "2659427"   "2840185"   "2965271"   "2984421"   "20050051642"   "3008652"   "3213919"   "3785560"   "4365758"   "5058809"   "5639029"   "5853129"   "0579371"   "6010330").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/01 09:37
S75	27	("1191621"   "2110365"   "2553130"   "2659427"   "2840185"   "2965271"   "2984421"   "20050051642"   "3008652"   "3213919"   "3785560"   "4365758"   "5058809"   "5639029"   "5853129"   "0579371"   "6010330").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/01 09:39
S76	6	("3780952"   "4510874"   "4667877"   "6196831"   "6338439"   "6378788").PN. OR ("7185830").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/01 10:19
S77	1	("2518116").URPN.	USPAT	OR	OFF	2008/07/01 10:38
S78	1	10/566921.app.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/01 10:40
S79	0	("1369621").URPN.	USPAT	OR	OFF	2008/07/01 10:42
S80	4	("1598352").URPN.	USPAT	OR	OFF	2008/07/01 11:41
S81	21	("2804341"   "4304573"   "4347126"   "4347127").PN. OR ("4514291").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/01 11:42
S82	0	("201555").URPN.	USPAT	OR	OFF	2008/07/01 11:48
S83	2	("1549537").URPN.	USPAT	OR	OFF	2008/07/01 11:49
S84	12	("1893210").URPN.	USPAT	OR	OFF	2008/07/01 11:51

S85	87	(US-20040035953-\$ or US-20070266521-\$ or US-20050001066-\$ or US-20070125883-\$).did. or (US-4514291-\$ or US-2017467-\$ or US-0551875-\$ or US-5639029-\$ or US-3680793-\$ or US-4685480-\$ or US-3963515-\$ or US-2962228-\$ or US-1504864-\$ or US-2587140-\$ or US-1409433-\$ or US-5894995-\$ or US-1205563-\$ or US-1150376-\$ or US-0425165-\$ or US-2558057-\$ or US-1034557-\$ or US-1763912-\$ or US-3920187-\$ or US-2804341-\$ or US-2518116-\$ or US-1549537-\$ or US-5403561-\$ or US-4011996-\$ or US-2172193-\$ or US-2188794-\$).did. or (US-3666183-\$ or US-2034867-\$ or US-2134347-\$ or US-1493795-\$ or US-5058808-\$ or US-1539784-\$ or US-1494675-\$ or US-1102352-\$ or US-1040827-\$ or US-5927611-\$ or US-2249482-\$ or US-5067655-\$ or US-2019815-\$ or US-1408521-\$ or US-0201555-\$ or US-4660772-\$ or US-4255124-\$ or US-1860347-\$ or US-5810259-\$ or US-1947866-\$).did. or (US-2694603-\$ or US-1893210-\$ or US-2465420-\$ or US-1369621-\$ or US-1598352-\$ or US-2797423-\$ or US-2203029-\$ or US-2305210-\$ or US-2407915-\$ or US-2321428-\$ or US-2804341-\$ or US-2329711-\$ or US-RE23413-\$ or US-1549537-\$ or US-3054563-\$ or US-1745329-\$ or US-2017467-\$).did. or (DE-3718971-\$).did. or (JP-05185400-\$ or JP-10311264-\$ or JP-2000334394-\$ or EP-383556-\$ or DE-202006011075-U-\$ or SU-470303-\$ or SU-1040111-\$ or WO-2004037512-A-\$ or US-4650567-\$ or JP-2000096679-\$ or JP-2000087428-\$ or JP-2004283811-\$ or US-5334008-\$ or DE-3408882-\$ or JP-2002102813-\$ or JP-03053525-\$ or JP-06235123-\$ or JP-2000326895-\$ or WO-9633909-A-\$ or CN-1817477-\$ or WO-	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2008/07/01 11:56
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		2006085081-A-\$ or SU-1688950-A-\$ or RU-2050991-C-\$ or JP-04057928-\$ or JP-2006187707-\$).did.				
S86	29	S85 and (angle angles degree degrees slope slant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/01 11:57

7/1/08 2:35:29 PM

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